

	United States Department of Agriculture Radiation Safety Program	Application for Radioactive Materials Use (RSS-21)
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Individual Information

Name (Last, First, MI):	
Work Telephone No:	Fax No:
Email Address:	

Facility Information

Agency:		
Facility/Laboratory Name:		
Address:		
City	State	Zip

Scope of Use Check the appropriate box to indicate the scope of the research or program activity.

Requirement	Yes	No
Will Radioactive materials be used in human research subjects?		
Will radioactive materials be used in live animals larger than 1 kg?		
Will radioactive materials be used in field studies?		

Note: If you answered "yes" to any of the above requirements, additional information will need to be submitted with this application. Please contact a Health Physicist prior to submitting this application.

Protocol

A protocol must be submitted with this application that provides a general description of the use of the radioactive material. A more detailed protocol must be submitted for activities involving processes that release gases, vapors, aerosols or dusts, iodinations, or the use of tritiated water. All protocols must describe the general research plan; how the radioactive materials will be used; any significant handling or storage hazards; and how the radioactive waste will be handled.

Radioisotopes; Physical and Chemical Form; and Maximum Activity

Radionuclide	Physical Form (solid, liquid, gas)	Chemical Compound	Maximum Activity to be used at One time (mCi)	Maximum Activity (total possession limit, including waste) (mCi)

Associate Users

Associate Users are those individuals who will work under the supervision of the Permit Holder. A Radiation Worker Registration form (RSS-10) must be submitted for each Associate User. Please list the names of these individuals below:

**Radiation
Detection
Instrumentation**

Indicate the radiation detection instrumentation that will be used for analyses and detection of contamination. Indicate both laboratory counting equipment (LSC/gamma counters) and portable survey meters (G-M, ion chambers).

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Use/Storage List the building name and room numbers where radioactive material will be used
Locations and/or stored. A diagram of the room indicating work areas, bench tops, sinks, fume hoods, etc. must be submitted with this application.

Areas used for experiments:
Areas used for storage of stock solutions and samples:
Counting/Analyses:
Areas used for waste storage:

Program Requirement The applicant must check (✓) the following statements. Checking these statements indicates that the individual has read the statements and agrees to comply with the requirements.

Requirements	Check Box
Records shall be maintained indicating the receipt and disposal of all radioactive materials.	
Radionuclide use areas shall be surveyed for removable contamination monthly in those areas where the activity used is less than 200 μ Ci in any one experiment. Surveys shall be performed weekly in those areas where the activity used is greater than 200 μ Ci per experiment. Survey records shall be maintained for a period of at least 3 years.	
Radionuclide use areas (with the exception of tritium) shall be monitored for radiation levels at least monthly.	
Radionuclide storage and waste areas shall be surveyed monthly.	
Radioactive materials shall be secured against unauthorized use or removal.	
Portable survey instruments shall be calibrated annually or after repair.	
Fume hoods used for radioactive materials shall have a minimum air flow of 100 linear feet per minute with the sash height at a typical operating level.	
Radioactive waste disposal procedures shall comply with Nuclear Regulatory Commission (NRC) regulations, Environmental Protection Agency (EPA) regulations, State and USDA regulations.	

Signature of Applicant

Signature:	Date:
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